

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-313179  
 (43)Date of publication of application : 09.11.2001

(51)Int.CI. H05B 33/14  
 C09K 11/06  
 H05B 33/22

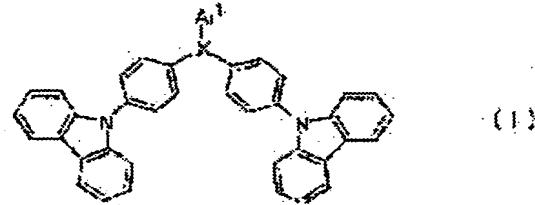
(21)Application number : 2000-131992 (71)Applicant : MITSUBISHI CHEMICALS CORP  
 (22)Date of filing : 01.05.2000 (72)Inventor : SATO YOSHIHARU  
 SATO HIDEKI  
 ICHINOSAWA AKIKO

## (54) ORGANIC ELECTROLUMINESCENT ELEMENT

## (57)Abstract:

PROBLEM TO BE SOLVED: To enable an organic electroluminescent element utilizing phosphorescent luminescence to improve luminous efficiency and to secure a safety of operation.

SOLUTION: For the organic electroluminescent element laminating an anode, a luminous layer, and a cathode successively, the luminous layer contains a compound shown by the formula (I) as a principal component, and an organic metal complex including at least one metal chosen from 7th to 11th group of periodic table as a subordinate component. In the formula, carbasolyl group and phenylene group may have arbitrary substituent, and X shows a link group with 3 valency.



## LEGAL STATUS

[Date of request for examination] 22.09.2003

[Date of sending the examiner's decision of rejection] 04.01.2006

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's

decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office